60483



RO, BOX 461 RAVENSDALE, WA 98051 PHONE: (425) 432-1054 FAX: (425) 432-3155

SERVICE DATE	OPERATOR	TRUCK#
10-3-10	Malcolw	12

Service Order

		Del Aice (/I UCI	
	SECTIO	PROPERTS	/#INFORMATION	
Joh Nai Service	me UNUCOM Address	imons (Billing Company AND DOVE Billing Address	lopment
On Site	Contact Pho	ne J	Contact	Phone
	SECUL	ON 2:= SERVICE	INKORIDANION	
Instruction	ons: (AIR) BROO	DM DACTOR	WATER TRUCK	SCRUB OTHER
	me Requested: Dispatch	nambol	Prevailing W YES (NO L
Travel Ilme:	Depart: (am) pm	Arrive: (am) pm	Dump: ON SITE	OFF SITE
On-Site Time:	Start: (am)pm	Finish: amy pm	Off-Site Dump Location	() ()
Service Nates:		ws, pormeters, and sweept a	Islands, Luading	s docks,

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.

Thank You



P.O. BOX 461 RAVENSDALE, WA 98051 PHONE: (425) 432-1054 FAX: (425) 432-3155

SERVICE DATE	OPERATOR	TRUCK#
10-10-10	JIM	4

		Service (rder	
	- SECTIO	n 1 = PROPERTY	' Information	
31	e Address OF AUDOVE	MOVS.	Billing Company Billing Address Contact	JOP MUND Phone
	SECTI	ON 2 - SERVICE	INFORMATION	
Instructi	ons: AIR BRO	OM DACTOR	WATER TRUCK	SCRUB OTHER
	<u> </u> Fer	ned By: Billy Credit:	YES	ND
	SECTION 3 - ON SI			ervice Repj
Fravel Fime:	Depart: (am) pm	Arrive: (am) pm	Dump: ON SITE	OFF SITE
On-Site Fime:	Start: (am)/ pm	Finish: (am)/ pm	Off-Site Dump Location	: Est. yards/tons:
Service Notes:	Blew out f poched lander n11 arens.	ront aren por	Inters + back	alley Swept

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.

Thank You



P.O. BOX 461 RAVENSDALE, WA 98051 PHONE: (425) 432-1054 FAX: (425) 432-3155

SERVICE DAT	=	OPERATOR	R TRUCK#
16-17-11	I	Valcoli	12

Service Order

		SECTIO	n 1 – P	ROPERTY	' INFOR	MATION		
3100	Address Augustia	W FYC	nons ys.		Billing Comp	_		
On Site	Contact · *	Scot	ALL		Contact		Phone	
		SECTI	ON 2 -	SERVICE	INFORM	ATION		
Instructio	ns: (AIR)	BRO)M	VACTOR	WATER	TRUCK	SCRUB	OTHER
		,	Full	Serv	ICQ			
Date & Tin	ne Requester	d: Dispato	hed By:	Rill/Credit:		Prevailing Wa	nge: P.O.	#:
S	ECTION 3	– on sit	EINFO	RMATIO	l (Filled	out by Sei	vice Re)
ravel ime:	Depart:	am / pm	Arrive:	am / pm	Dump:	ON SITE	OFF	SITE
In-Site ime:	Start:	am / pm	Finish:	(am)/pm	Off-Site D	ump Location:	Est. yard	is/tons:
	8,00)	10	:30				
ervice lotes:	PARKENI TO DUA	6 LOTS 6	OF ALL ED DUM	TRASH A	MAD DEB	LLEY WAYS RIS: T W THE FACT	AZ UNUB	ļ
		Cus	tomer S	ignature:_	_			

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.

Thank You



P.O. BOX 461 RAVENSDALE, WA 98051 PHONE: (425) 432-1054 FAX: (425) 432-3155

	SE	RVICE	DATE		OPE	RATOR	TR	IÇ.	K#
1	\bigcirc	24	-10) -	Jin	5264	1	Ł	

Service Order													
	SECTION 1 - PROPERTY INFORMATION												
310	Rilling Company AVICULOPMENT Billing Address Contact Phone Rilling Company AVICULOPMENT Contact Phone												
SECTION 2 - SERVICE INFORMATION													
Instructi	ons: AIR BROOM VACTOR WATER TRUCK SCRUB OTHER												
	me Requested: Dispatched By: Bill/Credit: Prevailing Wage: P.O. #: VES NO Depart: (am)/pm Rrrive: (ain)/pm Dump: ON SITE OFF SITE Start: (am)/pm Finish: (am)/pm Off-Site Dump Location: Est. yards/tons: 7:50 Si45												
Service Notes:	Blew out pain for front & back curbed Swept & proped landscape. Vary West & worky. Red dum DS-ter nelds empted												
	Cuotamas Signatuses												

Customer Signature:__

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

TestAmerica Job ID: 580-22539-1 Client Project/Site: Rainier Commons

For: Clean Harbors Environmental Services Inc 19320 Des Moines Memorial Dr Bldg D, Suite 400 Seatac, Washington 98148

Attn: Shawn Estrada

Authorized for release by: 11/9/2010 3:50 PM

Melissa Armstrong
Project Manager I
melissa.armstrong@testamericainc.com

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approvel from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 11

11/09/2010



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QC Sample Results	6
Chronicle	7
Certification Summary	8
Sample Summary	9
Chain of Custody	10
Sample Receipt Checklist	11

Job Narrative 580-22539-1

Receipt

The following sample was received at the laboratory outside the required temperature criteria: Sample received same day of sampling but not on ice.

GC Semi VOA (8082)

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 580-74836 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

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Qualifier Definition/Glossary

Client: Clean Harbors Environmental Services Inc

TestAmerica Job ID: 580-22539-1

Project/Site: Rainier Commons

Qualifiers GC Semi VOA

Qualifier Qualifier Description

ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.

F MS or MSD exceeds the control limits

Glossary

Glossary Description

Listed under the "D" column to designate that the result is reported on a dry weight basis.

4

Analytical Data

Client: Clean Harbors Environmental Services Inc

Project/Site: Rainier Commons

TestAmerica Job ID: 580-22539-1

Lab Sample ID: 580-22539-1

Matrix: Solid

Client Sample ID: RC1025 Date Collected: 10/25/10 00:00 Date Received: 10/25/10 11:32

Analyte	Result	Qualifier	RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.010		 mg/Kg	_	11/02/10 09:03	11/09/10 11:30	1
PCB-1221	ND		0.010		 mg/Kg		11/02/10 09:03	11/09/10 11:30	1
PCB-1232	ND		0.010		mg/Kg		11/02/10 09:03	11/09/10 11:30	1
PCB-1242	ND		0.010		mg/Kg		11/02/10 09:03	11/09/10 11:30	1
PCB-1248	ND		0.010		mg/Kg		11/02/10 09:03	11/09/10 11:30	1
PCB-1254	ND		0.010		mg/Kg		11/02/10 09:03	11/09/10 11:30	1
PCB-1260	ND		0.010		mg/Kg		11/02/10 09:03	11/09/10 11:30	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	53	٨	45 - 155				11/02/10 09:03	11/09/10 11:30	1
DCB Decachlorobiphenyl	94	٨	60 - 125				11/02/10 09:03	11/09/10 11:30	1

Quality Control Data

Client: Clean Harbors Environmental Services Inc

Project/Site: Rainier Commons

PCB-1254

DCB Decachlorobiphenyl

Lab Sample ID: MB 580-74836/1-A

TestAmerica Job ID: 580-22539-1

Client Sample ID: MB 580-74836/1-A

11/02/10 09:03 11/02/10 12:31

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

ND

107

	Matrix: Solid Analysis Batch: 74846		Prep Type: Total/NA Prep Batch: 74836						
	Thai, old Datolit 7 lote	MB	мв						
	Analyte	Result	Qualifier	RL	MDL	Unit	D Prepared	Analyzed	Dil Fac
	PCB-1016	ND		0.010		mg/Kg	11/02/10 09:03	11/02/10 12:31	1
	PCB-1221	ND		0.010		mg/Kg	11/02/10 09:03	11/02/10 12:31	1
	PCB-1232	ND		0.010		mg/Kg	11/02/10 09:03	11/02/10 12:31	1
-	PCB-1242	ND		0.010		mg/Kg	11/02/10 09:03	11/02/10 12:31	1
į	DCB.1948	ND		0.010		ma/Ka	11/02/10 09:03	11/02/10 12:31	1

PCB-1260	ND		0.010	mg/Kg	11/02/10 09:03	11/02/10 12:31	1
	мв	МВ					
Surrogate	% Recovery	Qualifier	Limits		Prepared	Analyzed	DII Fac
Tetrachloro-m-xylene	90	•	45 - 155		11/02/10 09:03	11/02/10 12:31	1
DCB Decachlorobiphenyl	97		60 - 125		11/02/10 09:03	11/02/10 12:31	1

0.010

mg/Kg

Lab Sample ID: LCS 580-74 Matrix: Solid Analysis Batch: 74846	1836/2-A		Calles	100	LCS		Client	Sample	Prep Ty	80-74836/2-A pe: Total/NA Batch: 74836
			Spike							
Analyte			Added	Result	Qualifier	Unit	D	% Rec	Limits	
PCB-1016			0.100	0.105		mg/Kg		105	40 - 140	
PCB-1260			0.100	0.119		mg/Kg		119	60 - 130	
	LCS	LCS								
Surrogate	% Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	88		45 - 155							

60 - 125

Lab Sample ID: 580-22440- Matrix: Solid Analysis Batch: 74846	A-3-B MS					C	llent :	Sample I		บ-A-3-B MS e: Total/NA ntch: 74836
,	Sample	Sample	Spike	MS	MS				% Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	
PCB-1016			0.0973	0.261	F	mg/Kg		268	40 - 140	
PCB-1260			0.0973	0.146	F	mg/Kg		150	60 - 130	
	MS	MS								
Surrogate	% Recovery	Qualifier	Limits							
Tetrachloro-m-xylene	61		45 - 155							
DCR Decachlorohinhenyl	7.3		60 - 125							

DCB Decacniorobiphenyi —	/3		bU - 125								
– Lab Sample ID: 580-22440-	A-3-C MSD					Cli	ent Sa	ımple ID	: 580-2244	0-A-3-C	MSD
Matrix: Solid									Prep Ty	pe: To	tal/NA
Analysis Batch: 74846									Prep	Batch:	74836
-	Sample	Sample	Spike	MSD	MSD				% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
PCB-1016			0,0961	0.243	F	mg/Kg		253	40 - 140	7	20
PCB-1260			0.0961	0.145	F	mg/Kg		150	60 - 130	1	20
	MSD	MSD									
Surrogate	% Recovery	Qualifier	Limits								
Tetrachloro-m-xylene	59		45 - 155								
DCB Decachlorobiphenyl	71		60 - 125								

TestAmerica Seattle 11/09/2010

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Lab Chronicle

Client: Clean Harbors Environmental Services Inc

Project/Site: Rainier Commons

TestAmerica Job ID: 580-22539-1

Lab Sample ID: 580-22539-1

Matrix: Solid

Client Sample ID: RC1025 Date Collected: 10/25/10 00:00 Date Received: 10/25/10 11:32

		Batch	Batch		Dilution	Batch	Prepared		
-	Prep Type	Type	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
-	Total/NA	Prep	3550B			74836	11/02/10 09:03	KKJ	TestAmerica Seattle
***************************************	Total/NA ·····	Analysis	8082		1	75345	11/09/10 11:30	MAM ··	TestAmerica Seattle
-	Total/NA	Analysis	Moisture		1	74783	11/01/10 13:56	KKJ	TestAmerica Seattle



TestAmerica Seattle 11/09/2010

Certification Summary

Client: Clean Harbors Environmental Services Inc Project/Site: Rainier Commons

TestAmerica Job ID: 580-22539-1

Laboratory Authority		Program	EPA Region	Certification ID	Expiration Date
TestAmerica Seattle		USDA	***************************************	P330-08-00099	05/22/11
TestAmerica Seattle	Alaska	Alaska UST	10	UST-022	03/04/11
TestAmerica Seattle	California	NELAC Secondary AB	9	1115CA	01/31/11
TestAmerica Seattle	Florida	NELAC Secondary AB	4	E871074	06/30/11
TestAmerica Seattle	L-A-B	DoD ELAP	0	L2236	01/19/13
TestAmerica Seattle	L-A-B	ISO/IEC 17025	. 0	L2236	01/19/13
TestAmerica Seattle	Montana	State Program	8		04/30/20
TestAmerica Seattle	Oregon	NELAC Primary AB	10	WA100007	11/06/11
TestAmerica Seattle	Washington	State Program	10	C553	02/17/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Sample Summary

Client: Clean Harbors Environmental Services Inc Project/Site: Rainier Commons

TestAmerica Job ID: 580-22539-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-22539-1	RC1025	Solid	10/25/10 00:00	10/25/10 11:32

9)

?	TestAmerica THE LEADER IN ENVIRONMENTAL TESTING		TestAmer 5755 8th Tacoma, Tel. 253- Fax 253- www.te	Stree WA 9: 922-2: 922-5:	et E. 8424 810 047	.c.com								ush hort		ld				us 2	in of tody Red 2339		
	Clean Harbos		Clien	t Cont Sha	ect Noner (A	€ S	S-Arg le)/Fax	at Num	Far Ther			,				ate Lo ab Nu	/2 :	<u> </u>	/3	C	hain of Custody N	19 3 6	
	19320 Des Mais 5-13	Newsorial I)₁. Səpp	206	<u> 4</u>	29		Con				ļ.					ach lis	+ if		P	age	of	
	Project Name and Location (State) Rainier Commons Contract/Purchase Order/Quote No.	98148	14		<u>Inde</u> ct	rson	ı			-		063		- 	nore s	pace i	s need	ed)			Special	Instructio	ins/
	Contract/Purchase Order/Quote No.				Matri	x			Conta Prese	iner: vati	s & ives	326	,								Special Instruction Conditions of Rece		eipt
	Sample I.D. and Location/Description (Containers for each sample may be combined on one line	Date	Time	Air	Aqueous Sed.	Soil	Unpres.	H2S04	HNO3	134	NaOH ZnAc/ NaOH	9832)										
	RC1025	10/25			+	>	<u> </u>			4		\prec		-			_						
										+				+	-				-	:		·	····
Pag																							
Page 10 of 11			····	+-	_					+										-		 .	
<u>∓,</u> 11																							
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																		+				-	
													-		-								
	•	Hazard Identification						_				Sample D				•	i By L	ab			(A fee may be a		
	☐ Yes ☐ No Cooler Temp: ☐ Non- Turn Around Time Required (business days) ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10				Irritam	t 🗆	Poiso				known [ents (Spec		To Cl	ient		rchive	For_		Ме	onths	are retained lor	ger than 1 m	onth)
	1. Relinguished By Sign Print	lect on	Date	/2 S		me		1. F	Receive	ed B	y Sign/P	rint.	<u></u> ₹/2		É	\sim		/ ?]		1.	Date 10/25/10	Time	
	2. Relinquished By Sign/Print	Jan Car VIII	Date	<u> </u>		me		2. F	Receive	d B	y Sign/P	rint			7) /	<u>/-/.</u> ,	yary		SAID	Date	Time) <
11/00	3. Relinquished By Sign/Print		Date		17	me		3.1	Receive	ed B	y Sign/Pi	rint ·		•			:				Date	Time	···········
11/09/2010	Comments		<u>-</u>			Clie	ento	Jan	ρ,	 ንሶ	cooli	 >:		R	.1	9.7	 ?	Cn	Y Y	19	, 7	,	
-	DISTRIBUTION: WHITE – Stays with the Samples; CANAI	RY – Returned to Clie	nt with Repo	ort; PIN	K – Fie	ld Copy		1 :	 		- 1				······································							\L-8274-58() (0210)
				•										12.20					13				

Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Job Number: 580-22539-1

List Source: TestAmerica Seattle

Login Number: 22539 Creator: Blankinship, Tom

ist	Number:	1

Question	T / F/ NA	Comment	
Radioactivity either was not measured or, if measured, is at or below background	True		
The cooler's custody seal, if present, is intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	False		
Cooler Temperature is acceptable.	False		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the sample IDs on the containers and the COC.	True		
Samples are received within Holding Time.	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	False	no sample time on COC	
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A		
If necessary, staff have been informed of any short hold time or quick TAT needs	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		

TestAmerica Seattle

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st. Avenue Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: STJ0060

TestAmerica Sample Delivery Group: STJ0060

Client Project/Site: 580-22137

Client Project Description: Rainier Commons

For:

TestAmerica Seattle 5755 8th Street East Tacoma, WA 98424

Attn: Melissa Armstrong

Malissa Growty

Authorized for release by: 10/26/2010 9:46 AM Melissa Armstrong Project Manager I melissa.armstrong@testamericainc.com

Designee for Randee Decker

Project Manager

Randee.Decker@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 10

10/26/2010

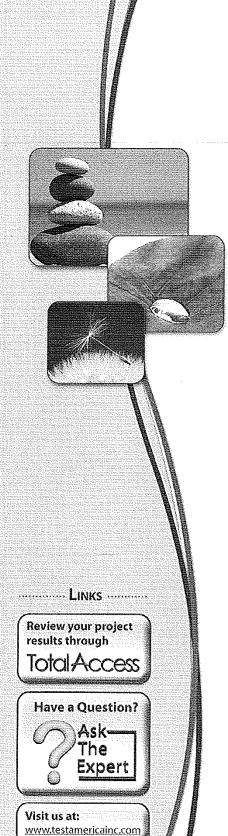




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QC Sample Results	3
Certification Summary	3
Chain of Custody	}
Sample Receipt Checklist	10

Sample Summary

Client: TestAmerica Seattle Project/Site: 580-22137 TestAmerica Job ID: STJ0060

SDG: STJ0060

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
STJ0060-01	RC1012	Soil	10/12/10 00:00	10/13/10 09:10

3

Qualifier Definition/Glossary

Client: TestAmerica Seattle Project/Site: 580-22137 TestAmerica Job ID: STJ0060

SDG: STJ0060

Qualifiers

Semivolatiles

Qualifie	Qualifier Description
МЗ	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
	acceptance limits.

Glossary

Glossary	Glossary Description	
₩	Listed under the "D" column to designate that the result is reported on a dry weight basis.	

[/₄]

Analytical Data

Client: TestAmerica Seattle Project/Site: 580-22137

TestAmerica Job ID: STJ0060

SDG: STJ0060

Client Sample ID: RC1012

Lab Sample ID: STJ0060-01 Matrix: Soil

Date Collected: 10/12/10 00:00 Date Received: 10/13/10 09:10

Percent Solids: 69.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	_	716		ug/kg dry	ø	10/15/10 10:36	10/22/10 12:53	10
PCB-1221	· · · · · · · · · · · ND		··· 716 · ·		ug/kg dry	ф	10/15/10 10:36	10/22/10 12:42	10
PCB-1232	ND		716		ug/kg dry	¤	10/15/10 10:36	10/22/10 12:42	10
PCB-1242	ND		716		ug/kg dry	Ф	10/15/10 10:36	10/22/10 12:42	10
PCB-1248	ND		716		ug/kg dry	ø	10/15/10 10:36	10/22/10 12:42	10
PCB-1254	1100		716		ug/kg dry	₽	10/15/10 10:36	10/22/10 12:42	10
PCB-1260	ND		716		ug/kg dry	¢	10/15/10 10:36	10/22/10 12:53	10
PCB-1268	ND		716		ug/kg dry	¢	10/15/10 10:36	10/22/10 12:42	10
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
TCX	102		27.9 - 154				10/15/10 10:36	10/22/10 12:53	10
Decachlorobiphenyl	52.6		35 - 157				10/15/10 10:36	10/22/10 12:53	10

Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22137 TestAmerica Job ID: STJ0060

SDG: STJ0060

Method: EPA 8082 - Polychlorinated Biphenyls by EPA Method 8082

Lab Sample ID: 10J0079-BLK1

Matrix: Soil

Analysis Batch: 10J0079

Blank Blank

	Blank	Blank						
Analyte	Result	Qualifier	RL	MDL	Unit D	Prepared	Analyzed	Dil Fac
PCB-1221	ND		50.0		ug/kg wet	-10/15/10 10:36	10/18/10 09:43	1
PCB-1232	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:43	1
PCB-1242	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:43	1
PCB-1248	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:43	1
 PCB-1254	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:43	1
PCB-1268	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:43	1

Lab Sample ID: 10J0079-BLK1

Matrix: Soil

Analysis Batch: 10J0079

Blank Blank

Blank

	2.41111	O.a.m.								
Analyte	Result	Qualifier	RL	MDL	Unit	Đ	Prepared	Analyzed	Dil Fac	
PCB-1016	ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:55	1	
PCB-1260	ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:55	1	
	Blank	Blank								
L _										

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac
TCX	88.1		27.9 - 154	10/15/10 10:36	10/18/10 09:55	1
Decachlorobiphenyl	83.5		35 - 157	10/15/10 10:36	10/18/10 09:55	1

Lab Sample ID: 10J0079-BS1

Matrix: Soil

Client Sample ID: 10J0079-BS1

Prep Type: total

Analysis Batch: 10J0079 Prep Batch: 10J0079_P

	Spike	LCS	LCS				% Rec.	
Analyte	Added	Result	Qualifier	Unit	D	% Rec	Limits	
PCB-1016	167	159		ug/kg wet		95.6	63.1 - 147	
PCB-1260	167	168		ug/kg wet		101	74,4 - 130	
LCS LCS								

Surrogate	% Recovery	Qualifier	Limits
TCX	79.4		27.9 - 154
Decachlorobiphenyl	81.4		35 - 157

Lab Sample ID: 10J0079-MS1 Client Sample ID: STJ0054-12
Matrix: Soil Prep Type: total

Analysis Batch: 10J0079

Sample Sample Spike Matrix Spike Matrix Spike % Rec.

		Sample	Sample	Shive	matrix Spike	Matrix Shii	va.			% Rec.		
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits		
	PCB-1016	ND		201	ND	M3	ug/kg dry	₽		50.6 - 145		•
	PCB-1260	ND		201	222		ug/kg dry	¤	110	57.6 - 120		
		Matrix Spike	Matrix Spike	e								
	Surrogate	% Recovery	Qualifier	Limits								
	TCX	68.6		27.9 - 154								
1	Decachlorobiphenyl	71.1		35 - 157								

Lab Sample ID: 10J0079-MSD1 Client Sample ID: STJ0054-12
Matrix: Soil Prep Type: total

Prep Batch: 10J0079_P Analysis Batch: 10J0079 Sample Sample Spike Matrix Spike Dup Matrix Spike Dup % Rec. Analyte Result Qualifier Added Result Qualifier Limits Limit PCB-1016 ND 201 ND M3 ₽ 50.6 - 145 ug/kg dry 40 PCB-1260 147 R 73.2 57.6 - 120 ND 201 ug/kg dry 40.6 27.4

> TestAmerica Spokane 10/26/2010

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Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22137

Decachlorobiphenyl

TestAmerica Job ID: STJ0060

SDG: STJ0060

35.0

44.0

-	Lab Sample ID: 10J0079-MSD1	Client Sample ID: STJ0054-12
	Matrix: Soil	Prep Type: total
	Analysis Batch: 10J0079	Prep Batch: 10J0079_P
	Matrix Spike Dup Matrix Spike Dup	
	Surrogate % Recovery Qualifier Limits	

27.9 - 154

35 - 157

6

(0)

Certification Summary

Client: TestAmerica Seattle Project/Site: 580-22137 TestAmerica Job ID: STJ0060

SDG: STJ0060

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica Spokane	Alaska	Alaska UST	10	UST-071	10/31/10
TestAmerica Spokane	Washington	State Program	10	C569	01/06/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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ISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to							H	mI	L	2e C	2			Il	· -	23	40				

Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Job Number: 580-22137-1

Login Number: 22137 Creator: Presley, Kim List Number: 1 List Source: TestAmerica Seattle

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	hand del
Cooler Temperature is acceptable.	True	received same day sampled
Cooler Temperature is recorded.	True	IR Gun 23.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica Seattle

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10/26/2010

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st. Avenue Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: STJ0061

TestAmerica Sample Delivery Group: STJ0061

Client Project/Site: 580-22135

Client Project Description: Rainier Commons

For:

TestAmerica Seattle 5755 8th Street East Tacoma, WA 98424

Attn: Melissa Armstrong

Authorized for release by:

10/21/2010 4:48 PM Melissa Armstrong Project Manager I

melissa.armstrong@testamericainc.com

Designee for

Randee Decker Project Manager

Randee.Decker@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Page 1 of 11

10/21/2010

www.testamericainc.com



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Definitions	5
Client Sample Results	
QC Sample Results	7
Certification Summary	9
Chain of Custody	1
Sample Receipt Checklist	1

Job Narrative 580-22135-1

Sud	heni	ntrac	t W	ork

The sample has been subcontracted to TestAmerica Spokane the subcontract certifications are different from those listed on the TestAmerica cover page of this final report.



Qualifier Definition/Glossary

Client: TestAmerica Seattle Project/Site: 580-22135 TestAmerica Job ID: STJ0061 SDG: STJ0061



Qualifie	rs
Semivolat	tiles
Qualifier	Qualifier Description
M3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
Glossar	y
Glossary	Glossary Description
☆	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Sample Summary

Client: TestAmerica Seattle Project/Site: 580-22135

TestAmerica Job ID: STJ0061

SDG: STJ0061

-				
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
STJ0061-01	RC1007	Soil	10/07/10 00:00	10/13/10 09:13

Analytical Data

Client: TestAmerica Seattle Project/Site: 580-22135 TestAmerica Job ID: STJ0061

SDG: STJ0061

Client Sample ID: RC1007 Date Collected: 10/07/10 00:00 Date Received: 10/13/10 09:13 Lab Sample ID: STJ0061-01

Matrix: Soil

Percent Solids: 67.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND ND		3690		ug/kg dry	ø	10/15/10 10:36	10/20/10 15:45	50
PCB-1221	ND		3690		ug/kg dry	. 💢	10/15/10 10:38	10/20/10 15:45	- 50
PCB-1232	ND		3690		ug/kg dry	ø	10/15/10 10:36	10/20/10 15:45	50
PCB-1242	ND		3690		ug/kg dry	₽	10/15/10 10:36	10/20/10 15:45	50
PCB-1248	ND		3690		ug/kg dry	₽	10/15/10 10:36	10/20/10 15:45	50
PCB-1254	21600		3690		ug/kg dry	O	10/15/10 10:36	10/20/10 15:45	50
PCB-1260	4520		3690		ug/kg dry	×	10/15/10 10:36	10/20/10 15:45	50
PCB-1268	ND		3690		ug/kg dry	ø	10/15/10 10:36	10/20/10 15:45	50
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
TCX		Z3	27.9 - 154				10/15/10 10:36	10/20/10 15:45	50
Decachlorobiphenyl		Z3	35 - 157				10/15/10 10:36	10/20/10 15:56	50



Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22135

Decachlorobiphenyl

TestAmerica Job ID: STJ0061

SDG: STJ0061

81.4

Lab Sample ID: 10J0079-BLK1 Client Sample ID: 10J0079-BLK1 Matrix: Soil Prep Type: total Analysis Batch: 10J0079 Prep Batch: 10J0079_P

Blank	Blank							_
Result	Qualifier	RL	MDL.	Unit	D	Prepared	Analyzed	Dil Fac
 ND		50,0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
ND		50.0		ug/kg wet		10/15/10 10:36	10/18/10 09:43	1
	Result ND ND ND ND ND ND ND N	ND ND ND ND	Result Qualifier RL ND 50.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0 ND 50.0	Result Qualifier RL MDL ND 50.0 50.0 ND 50.0 50.0 ND 50.0 50.0 ND 50.0 50.0 ND 50.0 50.0	Result Qualifier RL MDL Unlif ND 50.0 ug/kg wet ND 50.0 ug/kg wet	Result Qualifier RL MDL Unit Durit	Result Qualifier RL MDL Unit D Prepared ND 50.0 ug/kg wet 10/15/10 10:36 ND 50.0 ug/kg wet 10/15/10 10:36	Result Qualifier RL MDL Unit D Prepared Analyzed ND 50.0 ug/kg wet 10/15/10 10:36 10/18/10 09:43 ND 50.0 ug/kg wet 10/15/10 10:36 10/18/10 09:43

Lab Sample ID: 10J0079-BLK1 Client Sample ID: 10J0079-BLK1 Matrix: Soil Prep Type: total Analysis Batch: 10J0079 Prep Batch: 10J0079_P Blank Blank

ug/kg dry

73.2

57.6 - 120

Analyte	Result	Qualifier	RL	MDL	Unit D	Prepared	Analyzed	Dif Fac
PCB-1016	ND ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:55	1
PCB-1260	ND		50.0		ug/kg wet	10/15/10 10:36	10/18/10 09:55	1
	Blank	Blank						
Surrogate	% Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
TCX	88.1		27.9 - 154			10/15/10 10:36	10/18/10 09:55	<u></u>
Decachlorobiphenyl	83.5		35 - 157			10/15/10 10:36	10/18/10 09:55	1

Lab Sample ID: 10J0079-BS1 Client Sample ID: 10J0079-BS1 Matrix: Soil Prep Type: total

Analysis Batch: 10J0079 Prep Batch: 10J0079 P

Analysis Datetti 1000010									rieb pateit it	100019_F
			Spike	LCS	LCS				% Rec.	
Analyte			Added	Result	Qualifier	Unit	Đ	% Rec	Limits	
PCB-1016			167	159	-	ug/kg wet		95.6	63.1 - 147	
PCB-1260			167	168		ug/kg wet		101	74.4 - 130	
	LCS	LCS								
Surrogate	% Recovery	Qualifier	Limits							
TCX	79.4		27.9 - 154							

Lab Sample ID: 10J0079-MS1 Client Sample ID: STJ0054-12 Matrix: Soil Prep Type: total

35 - 157

Analysis Batch: 10J0079 Prep Batch: 10J0079_P Sample Sample Spike Matrix Spike Matrix Spike % Rec. Result Qualifier Added Pacult Qualifier Linit

Allalyte	Result	Quantier	Added	Kesuit	Quaimer	Unit	υ	% Rec	Limits	
PCB-1016	ND		201	ND	М3	ug/kg dry	φ		50.6 - 145	
PCB-1260	ND		201	222		ug/kg dry	₽	110	57.6 - 120	
	Matrix Spike	Matrix Spike								
Surrogate	% Recovery	Qualifier	Limits							
TCX	68.6		27.9 - 154							
Decachlorobiphenyl	71.1		35 - 157							

Lab Sample ID: 10J0079-MSD1 Client Sample ID: STJ0054-12 Matrix: Soil Prep Type: total Analysis Batch: 10J0079 Prep Batch: 10J0079_P Sample Sample Spike Matrix Spike Dup Matrix Spike Dup % Rec. RPD Analyte Result Qualifier Added Result Qualifier Limits % Rec RPD Limit PCB-1016 ND ND M3 ₹ 201 ug/kg dry 50.6 - 145 40 PCB-1260 147 R ND ₽

201

TestAmerica Spokane

40.6

27.4

10/21/2010







Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22135

Decachlorobiphenyl

TestAmerica Job ID: STJ0061

SDG: STJ0061

Method: EPA 8082 - Polychlorinated Biphenyls by EPA Method 8082 (Continued)

35.0

44.0

Lab Sample ID: 10J0079-MSD1		Cilent Sample ID: STJ0054-12
Matrix: Soil		Prep Type: total
Analysis Batch: 10J0079		Prep Batch: 10J0079_P
Matrix Spike Dup	Matrix Spike Dup	-
Surrogate % Recovery	Qualifier Limits	

27.9 - 154

35 - 157

7

Certification Summary

Client: TestAmerica Seattle Project/Site: 580-22135 TestAmerica Job ID: STJ0061

SDG: STJ0061

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica Spokane	Alaska	Alaska UST	10	UST-071	10/31/10
TestAmerica Spokane	Washington	State Program	10	C569	01/06/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

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Comments	· · · · · · · · · · · · · · · · · · ·				 -							··	•													

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Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Samples do not require splitting or compositing.

Job Number: 580-22135-1

Login Number: 22135 Creator: Presley, Kim List Number: 1 List Source: TestAmerica Seattle

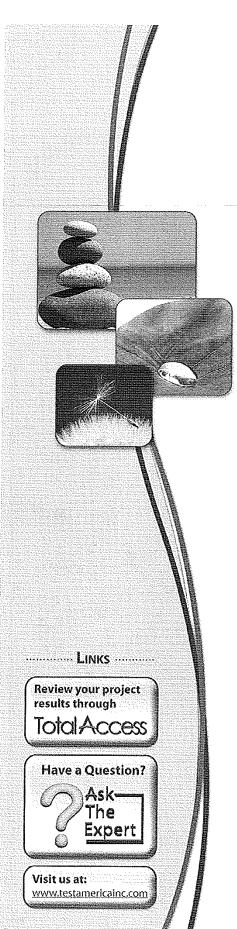
Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	Faise	hand del
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	

True

TestAmerica Seattle

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10/21/2010



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st. Avenue Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: STJ0101

TestAmerica Sample Delivery Group: STJ0101

Client Project/Site: 580-22293-1

Client Project Description: Melissa Armstrong

For:

TestAmerica Seattle 5755 8th Street East Tacoma, WA 98424

Attn: Melissa Armstrong

Malusa Granty

Authorized for release by: 11/1/2010 2:54 PM Melissa Armstrong Project Manager I melissa.armstrong@testamericainc.com

Designee for

Randee Decker Project Manager

Randee.Decker@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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11/01/2010



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Method Summary	11
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Sample Receipt Checklist	13

Job Narrative 580-22293-1

Subcontract Work

Method 8082 PCBs: The sample has been subcontracted to TestAmerica Spokane the subcontract certifications are different from those listed on the TestAmerica cover page of this final report.

3}

Qualifier Definition/Glossary

Client: TestAmerica Seattle Project/Site: 580-22293-1 TestAmerica Job ID: STJ0101 SDG: STJ0101

Glossary

Glossary	Glossary Description
- ' '	Listed under the "D" column to designate that the result is recorted on a dry weight basis.

4

Sample Summary

Client: TestAmerica Seattle Project/Site: 580-22293-1 TestAmerica Job ID: STJ0101

SDG: STJ0101

		THE PART OF THE PA		
Lab Sample ID	Client Sample ID	Matrix	Collected	Received
STJ0101-01	RC1018	Soil	10/18/10 00:00	10/20/10 08:55

5

Analytical Data

Client: TestAmerica Seattle Project/Site: 580-22293-1

TestAmerica Job ID: STJ0101

SDG: STJ0101

Client Sample ID: RC1018

Date Collected: 10/18/10 00:00 Date Received: 10/20/10 08:55 Lab Sample ID: STJ0101-01

Matrix: Soil

Percent Solids: 32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		2020		ug/kg dry	Ø	10/26/10 13:22	10/27/10 07:22	1
PCB-1221	ND		2020		ug/kg dry	. ₩	10/26/10 13:22	10/27/10 07:10	1.
PCB-1232	ND		2020		ug/kg dry	ø	10/26/10 13:22	10/27/10 07:10	1
PCB-1242	ND		2020		ug/kg dry	₽	10/26/10 13:22	10/27/10 07:10	1
PCB-1248	ND		2020		ug/kg dry	ø	10/26/10 13:22	10/27/10 07:10	1
PCB-1254	ND		2020		ug/kg dry	¢	10/26/10 13:22	10/27/10 07:10	1
PCB-1260	ND		2020		ug/kg dry	¢	10/26/10 13:22	10/27/10 07:22	1
PCB-1268	ND		2020		ug/kg dry	¢	10/26/10 13:22	10/27/10 07:10	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
TCX	105		27.9 - 154				10/26/10 13:22	10/27/10 07:22	1
Decachlorobiphenyl	84.7		35 - 157				10/26/10 13:22	10/27/10 07:22	1



Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22293-1

Analyte

Lab Sample ID: 10J0144-BLK1

TestAmerica Job ID: STJ0101

Client Sample ID: 10J0144-BLK1

SDG: STJ0101

Method: EPA 8082 - Po	lychlorinated Biphenyls by	EPA Method 8082

Result Qualifier

Matrix: Soil		Prep T									
Analysis Batch: 10J0144						F	rep Batch: 10J				
_	Blank	Blank									
Analyte	Result	Qualifier	RL	MDL	Unit D	Prepared	Analyzed	Dil Fac			
PCB-1221	ND		50.0		ug/kg wet	10/26/10 13:22	. 10/27/10 06:47	1			
PCB-1232	ND		50.0		ug/kg wet	10/26/10 13:22	10/27/10 06:47	1			
PCB-1242	ND		50.0		ug/kg wet	10/26/10 13:22	10/27/10 06:47	1			
PCB-1248	ND		50.0		ug/kg wet	10/26/10 13:22	10/27/10 06:47	1			
PCB-1254	ND		50.0		ug/kg wet	10/26/10 13:22	10/27/10 06:47	1			
PCB-1268	ND		50.0		ug/kg wet	10/26/10 13:22	10/27/10 06:47	1			

Lab Sample ID: 10J0144-BLK1 Client Sample ID: 10J0144-BLK1 Matrix: Soil Prep Type: total Analysis Batch: 10J0144 Prep Batch: 10J0144_P Blank Blank

RL

MDL

Unit D

Prepared

	PCB-1016	ND		50.0	ug/kg wet	10/26/10 13:22	10/27/10 06:59	1
	PCB-1260	ND		50.0	ug/kg wet	10/26/10 13;22	10/27/10 06:59	1
		Blank	Blank					
	Surrogate	% Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
	TCX	81.9		27.9 - 154		10/26/10 13:22	10/27/10 06:59	1
-	Decachlorobinhenvi	96.8		35 - 157		10/26/10 13:22	10/27/10 06:59	1

Lab Sample ID: 10J0144-BS1 Client Sample ID: 10J0144-BS1 Matrix: Soil Prep Type: total Prep Batch: 10J0144_P Analysis Batch: 10J0144 LCS LCS Spike % Rec.

	Analyte			Added	Result	Qualifier	Unit	D	% Rec	Limits	
	PCB-1016			167	175		ug/kg wet		105	63.1 - 147	
	PCB-1260			167	173		ug/kg wet		104	74.4 - 130	
		LCS	LCS								
İ	Surrogate	% Recovery	Qualifier	Limits							
	TCY	104		27.0 - 154							

Decachlorobiphenyl 102 35 - 157 Lab Sample ID: 10J0144-MS1 Client Sample ID: STJ0128-01 Matrix: Soil Prep Type: total Prep Batch: 10J0144_P Analysis Batch: 10J0144

	Sample	Sample	Spike	Matrix Spike	Matrix Spil	ke			% Rec.	
Analyte	Result	Qualifler	Added	Result	Qualifier	Unit	D	% Rec	Limits	
PCB-1016	ND		177	158		ug/kg dry	ø	88.9	50,6 - 145	
PCB-1260	ND		177	148		ug/kg dry	D	83,5	57.6 - 120	
	Matrix Spike	Matrix Spike								

Surrogate	% Recovery Qu	ralifler Limits
TCX	88.1	27.9 - 154
Decachlorobiphenyl	94.0	35 - 157
Lab Sample ID: 10J0144-MSI	01	

: STJ0128-01 Matrix: Soil Prep Type: total Prep Batch: 10J0144_P Analysis Batch: 10J0144 Sample Sample Spike Matrix Spike Dup Matrix Spike Dup % Rec. RPD Result Qualifler Unit Analyte Result Qualifier Added D % Rec Limits RPD Limit 177 ŭ PCB-1016 ND 162 ug/kg dry 91.4 50.6 - 145 2.77

> TestAmerica Spokane 11/01/2010

Page 7 of 13

RCLLC 0012281











































































































Analyzed





































Quality Control Data

Client: TestAmerica Seattle Project/Site: 580-22293-1 TestAmerica Job ID: STJ0101

SDG: STJ0101

Method: EPA 8082 - Polychlorinated Biphenyls by EPA Method 8082 (Continued)

Lab Sample ID: 10J0144-MSD1								Client	Sample ID	: STJ01	128-01
Matrix: Soil									Pre	ер Туре	: total
Analysis Batch: 10J0144									Prep Batcl	h: 10J0	144_P
•	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spi	ke Dup			% Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	% Rec	Limits	RPD	Limit
PC8-1260	ND		177	153		ug/kg dry	Ø	86.2	57.6 - 120	3.20	27.4
PCB-1260	ND		177	153		ug/kg dry	Ö	86.2	57.6 - 120	3.20	

oike Dup	
ļ	pike Dup

Surrogate	% Recovery Qualifier	Limits
TCX	92.7	27.9 - 154
Decachlorobiphenyl	88.2	35 - 157



Lab Chronicle

Client: TestAmerica Seattle Project/Site: 580-22293-1

TestAmerica Job ID: STJ0101

SDG: STJ0101

Client Sample ID: RC1018 Date Collected: 10/18/10 00:00 Date Received: 10/20/10 08:55

Lab Sample ID: STJ0101-01

Matrix: Soil

Percent Solids: 32

	Batch	Batch		Dilution	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Number	Or Analyzed	Analyst	Lab
total	Prep	EPA 3550B		12.93	10J0144_P	10/26/10 13:22	ms	TestAmerica Spokane
total	Analysis	EPA 8082 ····		1	10J0144 ·	10/27/10 07:10	ms	TestAmerica Spokane
total	Analysis	EPA 8082		1	10J0144	10/27/10 07:22	ms	TestAmerica Spokane
total	Prep	Wet Chem		1	10J0149_P	10/26/10 16:00	ms	TestAmerica Spokane
total	Anaivsis	TA SOP		1	10J0149	10/27/10 09:38	ms	TestAmerica Spokane

Certification Summary

EPA Region

C569

10

10

Client: TestAmerica Seattle Project/Site: 580-22293-1

Authority

Washington

Alaska

Laboratory

TestAmerica Spokane

TestAmerica Spokane

TestAmerica Job ID: STJ0101 SDG: STJ0101

01/06/11

Certification ID	Expiration Date
UST-071	10/31/10

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Program

Alaska UST

State Program

9

Method Summary

Client: TestAmerica Seattle Project/Site: 580-22293-1

restAmenta	100	ŧυ.	01.	JUI	ŲΙ
	SI	OG:	ST.	J01	01

Method	Method Description Protocol	Laborator					
EPA 8082	Polychlorinated Biphenyls by EPA Method 8082	TAL SPK					
TA SOP	Conventional Chemistry Parameters by APHA/EPA Methods						
Protocol Re	erences;						
=							

Laboratory References:

TAL SPK = TestAmerica Spokene, 11922 East 1st. Avenue, Spokene, WA 99206, TEL (509)924-9200

Clean Harbors			Conta	et She	iwr			ras	ka .	· .		D	ate []	/14	5/10	5	Chai	n of Custody	Number 534
Address 19320 Des Maines 1	Maria : 1 D.			ber (Area								L	ab Nun	nber	4-0 0 >				
City _ St	Nemonial Dr.	Samp		-80 -		ab Co			:	1		Analys	is (Atta	ch list i	73		Pag	e(of
Sental h	14 99148	10	ler.	4ngles	Son		•			J				needea	D .	· · · · · · ·			
Project Name and Location (State)	. •	Billing	Contac	t,								ł							
Ranjer Commons Contract/Purchase Order/Quote No.			1				Cont	ainers (,	- K3						1:			al Instruction
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Sample I.D. and Location/Description (Containers for each sample may be combined on		Time	Air Aqueous	Sed.	Solid	unpres. H2SO4	ниоз	HC/ NaOH	ZnAc/ NaOH	gogePo3									
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Cooler	Possible Hazard Identification	<u></u>								1 1				\perp					
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24 Hours □ 48 Hours □ 5 Days . Relinquished By Sign/Prin	□ 10 Days □ 15 Day	s □ Oth Date	er	7:		7	Dannin	nd De	CUL /n ·					-					
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Relinquished By Sign/Print		Date		Time.		3.	Receiv	ed By	Sign/Pris	nt							Da	ate	Time
omments .					•														

Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Job Number: 580-22293-1

Login Number: 22293 Creator: Presley, Kim List Number: 1 List Source: TestAmerica Seattle

Question	T / F/ NA ····	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	hand del
Cooler Temperature is acceptable.	True	received same day sampled
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

TestAmerica Seattle

Page 13 of 13

11/01/2010



59615



P.O. BOX 461 RAVENSDALE, WA 98051 PHONE: (425) 432-1054 FAX: (425) 432-3155

SERVICE DATE	OPERATOR	TRUCK#
10-22-2010	Jim	4

Service Order

		en eus voorscrikese	OCI VIOU (/I WVI	
		<u>sectio</u>	NO - PROPERIN	A TURORULA DROL	######################################
Service	me Mier Coll Address Contact	um On.		Billing Company Ariel Develo, Billing Address Contact	Phone
	otobalica (observate de la colonia de la col	i CENTIL	UNIZA SGRUIGG		
Instructi	ons: (AIR)	BROC		WATER TRUCK	SCRUB OTHER
Date & Ti	me Requested:	Dispatcl	ned By: Bill/Credit	: Prevailing YES	Wage: P.O. #:
S	ECTION 3	eonsu	EINFORMAULU		service/Replan
me:	Depart: 6:00	and / pm	Arrive: (am)/ pm	Dump: QN SITE	DFF SITE
n-Site me:	Start: (am/pm	Finish: (am) pm 9:45	Off-Site Dump Location Ormped in the sw	on: Est. yards/tons:
ervice otes:	Blew aug	COVNE S QUE	sperimeter,	Islands, load, weep ful call	us docks, the debris.

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



SERVIC	E DATE	OPERATOR	TRUCK#
10-3	1-10	Scott	4
164		Malro	M

		1	10 01 10	
₩2		Service 0	rder	marcoin
	SECTIO	n 1 – Property	INFORMATION	
31	Me Address Contact Pho	MONS A	Billing Company Billing Address Contact	lopmost Phone
	<u> </u>			
	SECIO	ON 2 - SERVICE	IIIFOKIIIHIIOII	
Instructi	ions: (AIR) BROC	UN VACTOR	WATER TRUCK	SCRUB OTHER
Date & Ti	me Requested: Dispato	hed By: (Bill)Credit:	Prevailing W YES	agh: P.O. #:
S	ECTION 3 - ON SIT	E INFORMATION	l (Filled out by Se	rvice Rep)
Travel Time:	Depart: (and) pm	Arrive: Arry pm	Dump: ON SITE	OFF SITE
On-Site Time;	Start: am/pm	Finish: pm	Off-Site Dump Location	: Est. yards/tons:
Service Notes:	Blow our Entrances - Both BAR	FRONT - TE SOLVEY - DR ROADS -	Enroustre - S IVW Hare - Du Swept All	moetre
	Dumps	Per 15 9	ollé N	reds !
	Cue.	tomer Signature:		1

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



		SER	VICE	DATE	OF	PERAT	OR	TRUC	(III)
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			Serv	ice 0	rder			
		SECTIO	11-PR	OPERTY	INFORN	nation		
311	ne LNU Address Contact	r Port	MMONS QUI LOU Seattl	5	Billing Compa W Compa Billing Addres	DRUC	Phone	rent)
		SECTION	on 2 – Si	ERVICE	Inform	ation –)
Instructi	ons: AIR	BROO	M И	ACTOR	WATER	TRUCK	SCRUB	OTHER
	me Requested ECTION 3 Depart:	Fer	nande	BIII/Credit: MATION am / pm			ervice R	ep)
in-Site ime:	Start:	am /pm	Finish:	am /pm	Off-Site Du	mp Location	: Est. y	ards/tons:
dervice Notes:		15 Blew o	115 Sweps		Very WI		Buch	Roads

Customer Signature:__

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



59756

SERVICE DATE	ÖPERATOR	TRUCK#
11.21.10	Kull	200

			110110 IN	4 1000 1	
- Aite		Service ()rder		
	SECTIO	N 1 – PROPERTA	Information		
Service	ne ilv Commons Address Aur Dort R	Jays,	Billing Company AVEL DEVELO Billing Address	pment	
On Site	Contact Phy	Flattle (Contact	Phone	
	SECTI	on 2 - Service	INFORMATION	7	
Instructio	ns: (AIR) BRO	OM VACTOR	WATER TRUCK SO	CRUB OTHER	
		FULSE	rvice		
	· · · · · · · · · · · · · · · · · · ·				
Date & Tin	ne Requested: Dispato	,	Prevailing Wage:	P.O. #:	
S	ECTION 3 - ON SI	re informatio	N (Filted out by Servi	ce Rep)	
ravel ime:	Depart: (m) pm	Arrive: amy pm	Dump: ON SITE	OFF SITE	
)n-Site Time:	Start: am/pm 8:20	Finish: affin) pm	Off-Site Dump Location:	Est. yards/tons:	
BLEW FRONT WALK, PARKENS, CONTER DATUE, REAR SWEDT ALL, DUMPED IN ROD DUMPSTER,					

Customer Signature:___

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



Job Name

Service Address

On Site Contact

Instructions:

Travel

On-Site

Service Notes:

Time:

Time:

Date & Time Requested:

Depart:

Start:

RAVENSDALI PHONE: (42 FAX: (425)

SECTION 1 - I

Phone

SECTION 2 -

BROOM

Dispatched By:

SECTION 3 - ON SITE INF

am / pm

am)/ pm

P.O. BOX 461 ENSDALE, WA 98051 DNE: (425) 432-1054 X: (425) 432-3155					59	772
		SERV 11. J-8	ICE DATE		ATOR Idland	TRUCK //
Ser	vice ()rder	•			
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		Billing Com	pany			
		Billing Addr	'ess			Co service II Proposition
ie	7(Contact		Pho	ne	
m 2 –	SERVICE	INFORM	ATION			
M	VACTOR	WATER	RTRUCK	SCR	UB	OTHER
Serv	ice					
ed By:	Bill/Credit	· · · · · · · · · · · · · · · · · · ·	Prevailing W	age:	P.O. #:	
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jes,s s, ro	weep C inp. Swe all sided	wb and ep all walk a	blow Co Main dri nd Cortya	wner ves . avol.	S, Pri honer	miles,

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.





SERV	ICE DATE	OPERAT	OR	TRUCK#
12.	5.10	Donny	Sohn	204
		- 11		

				211313
	-	Service (Order	
	SECTIO	n 1 – PROPERT	Y INFORMATION	
	nier Common	15	Billing Company	
	e Address Contact Pho	one	Billing Address Contact	Phone
	·			
	SECTI	ON 2 - SERVICE	INFORMATION	
Instructi	ons: ATR BRO	OM VACTOR	WATER TRUCK	SCRUB OTHER
	EJ/ S	service		
	FUIL	OCV VICE		
Date & Ti	me Requested: Dispato	hed By: Bill/Credi	t: Prevailing Wa	ge: P.O. #:
Date o III		ando		
5	ECTION 3 - ON SI	EIIIFURIIIMITU	N (Filled out by Ser	vice Kepj.
ravel lme:	Depart: (m) / pm	Arrive: am/pm	Dump: ON SITE	OFF SITE
n-Site ime:	Start: am/pm	Finish: amy pm	Off-Site Dump Location:	Est. yards/tons:
ervice otes:	Blow	all sible	walks, porta	ancider
	Drivet	hup de one	I behinde k	sprifice
	Hond	Pic lot.	sweep up	911
	MOUN	ANLORE.	/ / / / / / / / / / /	
				

Customer Signature:

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.



60959

SERVICE DATE	OPERATOR	TRUCK#
12.12.10	Who M.	53

			Serv	ice ()rder	1		
		SECTIO	11 - PR	OPERTA	' INFOR	MATION		
	ne inicy () Address	MMON	8		Billing Com Billing Addi			
On Site	Contact	Pho	ne		Contact		Phone	
		SECTI	ON 2 - S	ERVICE	INFORN	nation	772	
Instruction	ons: (ATR)	BROC	ע אנ	ACTOR	WATE	R TRUCK	SCRUB	OTHER
Date & Tin	ne Requested:	Dispate	hed By:			Prevailing IV		i. #:
S	ECTION 3 -	tevng - on sit	^	MATIO	I filled		__	ep)
ravel ime:	Depart: (am / pm	Arrive: S!4/ Finish:	am / pm	Dump:	ON SITE		F SITE
In-Site îme:	Start:		Finish:		Off-Site I	Oump Location:	1 -	rds/tons:
ervice lotes:	Blew + Hepeaineter And Larding Docks Sweep Front parking Lot And Book Drive Hord pick Big parpers, Lots of Stonding water And little Rivers To Doal With.							
,								

Customer Signature:_

Payment Terms: All billings are due 10 days of receipt of service order. Overdue accounts will accrue interest of 1.5% per month. Customer will be responsible for all costs of collection including reasonable attorney's fees.